



10/29/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M66362

Sampling Date: 07/17/07

Report to:

GEI Consultants, Inc.

TDaigle@geiconsultants.com

ATTN: Tom Daigle

Total number of pages in report: 13



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Pand
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Lab Director

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579)
NY (23346) NJ (MA926) NAVY USACE

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Test results relate only to samples analyzed.

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Sample Summary

GEI Consultants, Inc.

Job No: M66362

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M66362-1	07/17/07	09:48	TAD	07/18/07	AIR Air	045162-SVT-22D
M66362-2	07/17/07	09:42	TAD	07/18/07	AIR Air	045162-SVT-14S
M66362-3	07/17/07	11:21	TAD	07/18/07	AIR Air	045162-SVT-8D
M66362-4	07/17/07	12:44	TAD	07/18/07	AIR Air	045162-SVT-MW202S

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: GEI Consultants, Inc.

Job No M66362

Site: GEI Tufts Street Somerville MA

Report Date 8/3/2007 5:12:26 PM

4 Sample(s) were collected on 07/17/2007 and were received at Accutest on 07/18/2007. These Samples received an Accutest job number of M66362. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix AIR	Batch ID: MSQ217
-------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- Sample(s) M66361-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethylene, Chloroethane are outside control limits for sample M66361-2DUP. High RPD due to possible matrix interference and/or sample non-homogeneity.

Matrix AIR	Batch ID: MSQ218
-------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66361-3DUP were used as the QC samples indicated.

Matrix AIR	Batch ID: MSQ219
-------------------	-------------------------

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66362-4DUP were used as the QC samples indicated.

Matrix AIR	Batch ID: MSQ220
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66400-1DUP were used as the QC samples indicated.

Matrix AIR	Batch ID: MSQ221
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66578-1DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report (M66362).



Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID:	045162-SVT-22D		
Lab Sample ID:	M66362-1	Date Sampled:	07/17/07
Matrix:	AIR - Air	Summa ID:	M188,M191,M016
Method:	TO-15	Date Received:	07/18/07
Project:	GEI Tufts Street Somerville MA	Percent Solids:	n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4109.D	1000	07/24/07	DFT	n/a	n/a	MSQ218
Run #2	Q4135.D	50000	07/27/07	DFT	n/a	n/a	MSQ219

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	200	ppbv		ND	530	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	200	ppbv		ND	1300	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	200	ppbv		ND	810	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	200	ppbv		ND	790	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	200	ppbv		ND	810	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	200	ppbv		ND	790	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	200	ppbv		ND	790	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	1060	200	ppbv		5780	1100	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	200	ppbv		ND	1400	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	200	ppbv		ND	1100	ug/m3
127-18-4	165.8	Tetrachloroethylene	842000 ^a	10000	ppbv		5710000 ^a	68000	ug/m3
79-01-6	131.4	Trichloroethylene	651	200	ppbv		3500	1100	ug/m3
75-01-4	62.5	Vinyl chloride	ND	200	ppbv		ND	510	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%	81%	57-139%

(a) Result is from Run# 2

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: 045162-SVT-14S

Lab Sample ID: M66362-2

Date Sampled: 07/17/07

Matrix: AIR - Air Summa ID: M183,M184,M029 Date Received: 07/18/07

Method: TO-15

Percent Solids: n/a

Project: GEI Tufts Street Somerville MA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4075.D	10	07/21/07	DFT	n/a	n/a	MSQ217
Run #2	Q4110.D	1000	07/24/07	DFT	n/a	n/a	MSQ218
Run #3	Q4131.D	5000	07/26/07	DFT	n/a	n/a	MSQ219

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	2.0	ppbv		ND	5.3	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	2.0	ppbv		ND	13	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	2.0	ppbv		ND	8.1	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	2.2	2.0	ppbv		8.7	7.9	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	ppbv		ND	8.1	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	19.2	2.0	ppbv		76.1	7.9	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	484 ^a	200	ppbv		1920 ^a	790	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	10.0	2.0	ppbv		54.6	11	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	2.0	ppbv		ND	14	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	ppbv		ND	11	ug/m3
127-18-4	165.8	Tetrachloroethylene	76300 ^b	1000	ppbv		517000 ^b	6800	ug/m3
79-01-6	131.4	Trichloroethylene	754 ^a	200	ppbv		4050 ^a	1100	ug/m3
75-01-4	62.5	Vinyl chloride	ND	2.0	ppbv		ND	5.1	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	104%	80%	81%	57-139%

(a) Result is from Run# 2

(b) Result is from Run# 3

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	045162-SVT-8D	Date Sampled:	07/17/07
Lab Sample ID:	M66362-3	Date Received:	07/18/07
Matrix:	AIR - Air	Summa ID:	M1181,M181,M190,M1078
Method:	TO-15	Percent Solids:	n/a
Project:	GEI Tufts Street Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4133.D	1000	07/26/07	DFT	n/a	n/a	MSQ219
Run #2	Q4156.D	10000	07/30/07	DFT	n/a	n/a	MSQ220
Run #3	Q4165.D	50000	08/01/07	DFT	n/a	n/a	MSQ221

	Initial Volume
Run #1	400 ml
Run #2	400 ml
Run #3	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	200	ppbv		ND	530	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	200	ppbv		ND	1300	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	200	ppbv		ND	810	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	2750	200	ppbv		10900	790	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	200	ppbv		ND	810	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	200	ppbv		ND	790	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	200	ppbv		ND	790	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	27700 ^a	2000	ppbv		151000 ^a	11000	ug/m3
79-34-5	167.9	1,1,1,2-Tetrachloroethane	ND	200	ppbv		ND	1400	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	200	ppbv		ND	1100	ug/m3
127-18-4	165.8	Tetrachloroethylene	1060000 ^b	10000	ppbv		7190000 ^b	68000	ug/m3
79-01-6	131.4	Trichloroethylene	21600	200	ppbv		116000	1100	ug/m3
75-01-4	62.5	Vinyl chloride	ND	200	ppbv		ND	510	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
460-00-4	4-Bromofluorobenzene	79%	83%	83%	57-139%

(a) Result is from Run# 2

(b) Result is from Run# 3

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: 045162-SVT-MW202S			
Lab Sample ID: M66362-4		Date Sampled: 07/17/07	
Matrix:	AIR - Air	Summa ID: M204,M066	Date Received: 07/18/07
Method:	TO-15		Percent Solids: n/a
Project:	GEI Tufts Street Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4127.D	20	07/26/07	DFT	n/a	n/a	MSQ219
Run #2	Q4132.D	100	07/26/07	DFT	n/a	n/a	MSQ219

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	4.0	ppbv		ND	11	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	4.0	ppbv		ND	25	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	4.0	ppbv		ND	16	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	2.8	4.0	ppbv	J	11	16	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	4.0	ppbv		ND	16	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	4.0	ppbv		ND	16	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	4.0	ppbv		ND	16	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	98.5	4.0	ppbv		537	22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	4.0	ppbv		ND	27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	4.0	ppbv		ND	22	ug/m3
127-18-4	165.8	Tetrachloroethylene	376 ^a	20	ppbv		2550 ^a	140	ug/m3
79-01-6	131.4	Trichloroethylene	47.0	4.0	ppbv		253	21	ug/m3
75-01-4	62.5	Vinyl chloride	ND	4.0	ppbv		ND	10	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%	79%	57-139%

(a) Result is from Run# 2

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

See attached list

Sublab

Indoor Air Sampling Analyte List

- Chloroethane
- Carbon Tetrachloride
- 1,1-Dichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichloroethane
- trans-1,2-Dichloroethylene
- cis-1,2-Dichloroethylene
- 1,1,1-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- Tetrachloroethylene
- Trichloroethylene
- Vinyl Chloride

M66362: Chain of Custody
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Summa Canister and Flow Controller Log

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Job Number: M66362
 Account: GEI GEI Consultants, Inc.
 Project: GEI Tufts Street Somerville MA
 Received: 07/18/07

SUMMA CANISTERS													
Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M016	6	29.4	07/02/07	PB	CP437	Q3925.D	M66362-1	07/20/07	DFT	5.2			1
M029	6	29.4	06/26/07	PB	CP436	J10772.D	M66362-2	07/20/07	DFT	2.4			1
M078	6	29.4	06/26/07	PB	CP436	J10772.D	M66362-3	07/23/07	DFT	3.2			1
M066	6	29.4	07/02/07	PB	CP437	Q3925.D	M66362-4	07/23/07	DFT	5			1

FLOW CONTROLLERS								
Shipping					Receiving			
Flow Ctrl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	
MC017	07/12/07	DFT	80	1	07/19/07	DFT	57	
MC070	07/12/07	DFT	80	1	07/19/07	DFT	136.5	
MC101	07/12/07	DFT	80	1	07/19/07	DFT	79	
MC117	07/12/07	DFT	80	1	07/19/07	DFT	90	

Accutest Bottle Order(s):
 GEI/7-12-07/TUFTS ST
 PB/6-26-07/GEI/TUFTS ST.
 PB/7-3-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
06/26/07	70	29.92
07/02/07	70	29.92